

**ABSTRACT**

Self-photo-initiating liquid oligomeric compositions are disclosed. The oligomeric compositions are formed from multifunctional mercaptans and Michael addition polyacrylate resins, synthesized from multifunctional acrylates and  $\beta$ -dicarbonyl Michael donors, specifically  $\beta$ -keto esters,  $\beta$ -diketones,  $\beta$ -ketoamides or  $\beta$ -ketoanilides or combinations thereof. The oligomeric compositions are provided along with uses thereof and methods of fabricating.